

## SGCN and Conservation Actions Associated with Habitat Groupings

### Habitat Grouping: South-Central Forests and Swamps

#### Macrogroup Central Oak-Pine

- Habitat System** Central Appalachian Dry Oak-Pine Forest
- Habitat System** Central Appalachian Pine-Oak Rocky Woodland
- Habitat System** North Atlantic Coastal Plain Hardwood Forest
- Habitat System** North Atlantic Coastal Plain Maritime Forest

#### Macrogroup Northern Hardwood & Conifer

- Habitat System** Appalachian (Hemlock)-Northern Hardwood Forest
- Habitat System** Laurentian-Acadian Northern Hardwoods Forest
- Habitat System** Laurentian-Acadian Pine-Hemlock-Hardwood Forest
- Habitat System** Laurentian-Acadian Red Oak-Northern Hardwood Forest
- Habitat System** Northeastern Coastal and Interior Pine-Oak Forest

#### Macrogroup Northern Swamp

- Habitat System** North-Central Appalachian Acidic Swamp
- Habitat System** North-Central Interior and Appalachian Rich Swamp

#### Macrogroup Coastal Plain Peat Swamp

- Habitat System** North Atlantic Coastal Plain Basin Peat Swamp

#### Macrogroup Central Hardwood Swamp

- Habitat System** North-Central Interior Wet Flatwoods

#### Macrogroup Glade, Barren and Savanna

- Habitat System** Central Appalachian Alkaline Glade and Woodland

**Species Associated with this Grouping**      Total SGCN: 1: 12   2: 48   3: 30      Total SGCN (primary habitat): 1: 4   2: 5   3: 2

| Class   | <i>Amphibia</i> (Amphibians)   | SGCN Category |
|---------|--|---------------|
| Species | <i>Ambystoma laterale</i> (Blue-spotted Salamander)                          | 2             |
| Species | <i>Gyrinophilus porphyriticus porphyriticus</i> (Northern Spring Salamander) | 2             |
| Class   | <i>Aves</i> (Birds)  | SGCN Category |
| Species | <i>Antrostomus vociferus</i> (Eastern Whip-poor-will)                        | 2             |
| Species | <i>Ardea herodias</i> (Great Blue Heron)                                     | 2             |
| Species | <i>Asio flammeus</i> (Short-eared Owl)                                       | 2             |
| Species | <i>Asio otus</i> (Long-eared Owl)  | 3             |
| Species | <i>Cardellina canadensis</i> (Canada Warbler)                                | 2             |
| Species | <i>Catharus fuscescens</i> (Veery)   | 2             |
| Species | <i>Chaetura pelagica</i> (Chimney Swift)                                     | 2             |
| Species | <i>Chordeiles minor</i> (Common Nighthawk)                                   | 3             |
| Species | <i>Coccothraustes vespertinus</i> (Evening Grosbeak)                         | 2             |
| Species | <i>Coccyzus americanus</i> (Yellow-billed Cuckoo)                            | 2             |
| Species | <i>Contopus cooperi</i> (Olive-sided Flycatcher)                             | 2             |
| Species | <i>Contopus virens</i> (Eastern Wood-pewee)                                  | 2             |
| Species | <i>Egretta caerulea</i> (Little Blue Heron)                                  | 3             |
| Species | <i>Egretta thula</i> (Snowy Egret)   | 3             |
| Species | <i>Hylocichla mustelina</i> (Wood Thrush)                                    | 1             |
| Species | <i>Megascops asio</i> (Eastern Screech-owl)                                  | 3             |
| Species | <i>Mniotilta varia</i> (Black-and-white Warbler)                             | 2             |
| Species | <i>Nycticorax nycticorax</i> (Black-crowned Night-heron)                     | 2             |

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|              |   |                      |
|--------------|---|----------------------|
| Species      | <i>Oreothlypis peregrina</i> (Tennessee Warbler)                | 2                    |
| Species      | <i>Pipilo erythrophthalmus</i> (Eastern Towhee)                 | 2                    |
| Species      | <i>Regulus calendula</i> (Ruby-crowned Kinglet)                 | 2                    |
| Species      | <i>Scolopax minor</i> (American Woodcock)                       | 3                    |
| Species      | <i>Setophaga discolor</i> (Prairie Warbler)                     | 2                    |
| Species      | <i>Setophaga pensylvanica</i> (Chestnut-sided Warbler)          | 2                    |
| Species      | <i>Setophaga ruticilla</i> (American Redstart)                  | 2                    |
| Species      | <i>Toxostoma rufum</i> (Brown Thrasher)                         | 2                    |
| Species      | <i>Tyrannus tyrannus</i> (Eastern Kingbird)                     | 2                    |
| Species      | <i>Vermivora cyanoptera</i> (Blue-winged Warbler)               | 2                    |
| <b>Class</b> | <b><i>Insecta</i> (Insects)</b>                                 | <b>SGCN Category</b> |
| Species      | <i>Ameletus browni</i> (A Mayfly)                               | 3                    |
| Species      | <i>Baetisca berneri</i> (A Mayfly)                              | 3                    |
| Species      | <i>Baetisca carolina</i> (A Mayfly)                             | 3                    |
| Species      | <i>Baetisca lacustris</i> (A Mayfly)                            | 3                    |
| Species      | <i>Baetisca rubescens</i> (A Mayfly)                            | 3                    |
| Species      | <i>Callophrys gryneus</i> (Juniper Hairstreak)                  | 2                    |
| Species      | <i>Callophrys hesseli</i> (Hessel's Hairstreak)                 | 1                    |
| Species      | <i>Catocala similis</i> (Similar Underwing)                     | 3                    |
| Species      | <i>Chaetagnathia cerata</i> (A Noctuid Moth)                    | 2                    |
| Species      | <i>Chaetagnathia tremula</i> (Barrens Chaetagnathia)            | 3                    |
| Species      | <i>Citheronia sepulchralis</i> (Pine Devil)                     | 2                    |
| Species      | <i>Enallagma laterale</i> (New England Bluet)                   | 2                    |
| Species      | <i>Enallagma pictum</i> (Scarlet Bluet)                         | 2                    |
| Species      | <i>Epeorus frisoni</i> (Roaring Brook Mayfly)                   | 1                    |
| Species      | <i>Erora laeta</i> (Early Hairstreak)                           | 2                    |
| Species      | <i>Erynnis brizo</i> (Sleepy Duskywing)                         | 2                    |
| Species      | <i>Gomphus quadricolor</i> (Rapids Clubtail)                    | 2                    |
| Species      | <i>Hemaris gracilis</i> (Graceful Clearwing)                    | 3                    |
| Species      | <i>Hemileuca maia maia</i> (Eastern Buckmoth)                   | 2                    |
| Species      | <i>Lanthus vernalis</i> (Southern Pygmy Clubtail)               | 2                    |
| Species      | <i>Lapara coniferarum</i> (Southern Pine Sphinx)                | 3                    |
| Species      | <i>Leucorrhinia patricia</i> (Canada Whiteface)                 | 2                    |
| Species      | <i>Lithophane lepida lepida</i> (Pine Pinion)                   | 2                    |
| Species      | <i>Lycia rachelae</i> (Twilight Moth)                           | 2                    |
| Species      | <i>Metretopus borealis</i> (A Mayfly)                           | 3                    |
| Species      | <i>Nepytia pellucidaria</i> (A Moth)                            | 3                    |
| Species      | <i>Nixe horrida</i> (A Mayfly)                                  | 3                    |
| Species      | <i>Ophiogomphus colubrinus</i> (Boreal Snaketail)               | 1                    |
| Species      | <i>Ophiogomphus howei</i> (Pygmy Snaketail)                     | 2                    |
| Species      | <i>Paonias astylus</i> (Huckleberry Sphinx)                     | 3                    |
| Species      | <i>Papilio brevicauda gaspeensis</i> (Short-tailed Swallowtail) | 3                    |
| Species      | <i>Psectraglaea carnosus</i> (Pink Sallow)                      | 2                    |
| Species      | <i>Rhithrogena undulata</i> (A Mayfly)                          | 3                    |
| Species      | <i>Satyrium edwardsii</i> (Edwards' Hairstreak)                 | 2                    |

## SGCN and Conservation Actions Associated with Habitat Groupings

### Habitat Grouping: South-Central Forests and Swamps

|              |  |                      |
|--------------|--|----------------------|
| Species      | <i>Siphonisca aerodromia</i> (Tomah Mayfly)                | 1                    |
| Species      | <i>Siphonurus barbaroides</i> (A Mayfly)                   | 3                    |
| Species      | <i>Siphonurus barbarus</i> (A Mayfly)                      | 2                    |
| Species      | <i>Siphonurus demaryi</i> (A Mayfly)                       | 2                    |
| Species      | <i>Somatochlora brevicincta</i> (Quebec Emerald)           | 2                    |
| Species      | <i>Thorybes bathyllus</i> (Southern Cloudywing)            | 3                    |
| Species      | <i>Williamsonia lintneri</i> (Ringed Boghaunter)           | 1                    |
| Species      | <i>Xylena thoracica</i> (Acadian Swordgrass Moth)          | 3                    |
| Species      | <i>Xylotype capax</i> (Broad Sallow)                       | 3                    |
| Species      | <i>Xystocephalus rufago</i> (Red-winged Sallow)            | 3                    |
| Species      | <i>Zale lunifera</i> (Bold-based Zale Moth)                | 3                    |
| Species      | <i>Zale obliqua</i> (Oblique Zale)                         | 3                    |
| <b>Class</b> | <b><i>Mammalia</i> (Mammals)</b>                           | <b>SGCN Category</b> |
| Species      | <i>Lasionycteris noctivagans</i> (Silver-haired Bat)       | 2                    |
| Species      | <i>Lasiurus borealis</i> (Eastern Red Bat)                 | 3                    |
| Species      | <i>Lasiurus cinereus</i> (Hoary Bat)                       | 3                    |
| Species      | <i>Lynx canadensis</i> (Canada Lynx)                       | 2                    |
| Species      | <i>Myotis leibii</i> (Eastern Small-footed Myotis)         | 1                    |
| Species      | <i>Myotis lucifugus</i> (Little Brown Bat)                 | 1                    |
| Species      | <i>Myotis septentrionalis</i> (Northern Long-eared Myotis) | 1                    |
| Species      | <i>Perimyotis subflavus</i> (Tri-colored Bat)              | 2                    |
| <b>Class</b> | <b><i>Reptilia</i> (Reptiles)</b>                          | <b>SGCN Category</b> |
| Species      | <i>Clemmys guttata</i> (Spotted Turtle)                    | 1                    |
| Species      | <i>Emydoidea blandingii</i> (Blanding's Turtle)            | 1                    |
| Species      | <i>Glyptemys insculpta</i> (Wood Turtle)                   | 1                    |
| Species      | <i>Storeria dekayi dekayi</i> (Northern Brownsnake)        | 2                    |
| Species      | <i>Terrapene carolina carolina</i> (Eastern Box Turtle)    | 2                    |
| Species      | <i>Thamnophis sauritus</i> (Eastern Ribbon Snake)          | 2                    |

### Habitat Stressors:

Habitat-specific stressors are assigned to the Habitat Macrogroup(s) listed in the Habitat Grouping above. Habitat Macrogroup reports can be found in Maine's 2015 Wildlife Action Plan: Element 2, Table 2-3. Click on the Habitat Macrogroup of interest to launch a habitat based report summarizing relevant stressors and associated SGCN.

### Conservation Actions Assigned to this Habitat Grouping:

|  |                                     |                                      |                  |
|--|-------------------------------------|--------------------------------------|------------------|
| <b>Conservation Action</b>   | <b>Category:</b> Habitat Management | <b>Biological Priority:</b> critical | <b>Type:</b> new |
| Provide landowner incentives for SGCN habitat management in northern forests and swamps and south-central forests and swamps |                                     |                                      |                  |

#### Stressor(s) Addressed By This Conservation Action

Commercial and Industrial Areas , Roads and Railroads, Housing and Urban Areas, Utility and Service Lines

|  |                                     |                                  |                  |
|--|-------------------------------------|----------------------------------|------------------|
| <b>Conservation Action</b>   | <b>Category:</b> Habitat Management | <b>Biological Priority:</b> high | <b>Type:</b> new |
| Work collaboratively with partners to develop and distribute habitat management guidelines for south-central forests and swamp SGCN habitats |                                     |                                  |                  |

## SGCN and Conservation Actions Associated with Habitat Groupings

### Habitat Grouping: South-Central Forests and Swamps

#### Stressor(s) Addressed By This Conservation Action

Commercial and Industrial Areas , Housing and Urban Areas, Roads and Railroads, Utility and Service Lines, Logging and Harvesting

| Conservation Action   | Category: Habitat Management | Biological Priority: high | Type: on-going |
|---|------------------------------|---------------------------|----------------|
| Identify, map, and provide information to the public on SGCN habitats in south-central forests and swamps |                              |                           |                |

#### Stressor(s) Addressed By This Conservation Action

Commercial and Industrial Areas , Housing and Urban Areas, Roads and Railroads, Utility and Service Lines

| Conservation Action   | Category: Habitat Management | Biological Priority: moderate | Type: on-going |
|---|------------------------------|-------------------------------|----------------|
| Encourage conservation of south-central forest and swamp habitats using a variety of approaches such as easements and |                              |                               |                |

#### Stressor(s) Addressed By This Conservation Action

Commercial and Industrial Areas , Housing and Urban Areas, Roads and Railroads, Utility and Service Lines, Recreational Activities

| Conservation Action   | Category: Habitat Management | Biological Priority: moderate | Type: on-going |
|---|------------------------------|-------------------------------|----------------|
| Collaborate with on-going invasive species eradication/early identification efforts in south central forest and swamp SGCN habitats |                              |                               |                |

#### Stressor(s) Addressed By This Conservation Action

Invasive Non-native-Alien Species-Diseases

| Conservation Action   | Category: Public Outreach | Biological Priority: critical | Type: on-going |
|---|---------------------------|-------------------------------|----------------|
| Increase outreach and education to landowners, municipal staff, town council/selectman, and other members of the public on the effects of development (e.g., housing, roads, utility lines) on south-central forest and swamp SGCN habitats |                           |                               |                |

#### Stressor(s) Addressed By This Conservation Action

Commercial and Industrial Areas , Housing and Urban Areas, Roads and Railroads, Utility and Service Lines

| Conservation Action  | Category: Public Outreach | Biological Priority: high | Type: on-going |
|--|---------------------------|---------------------------|----------------|
| Develop outreach and location information on SGCN habitats in south-central forests and swamps for land trusts, municipalities, and landowners |                           |                           |                |

#### Stressor(s) Addressed By This Conservation Action

Commercial and Industrial Areas , Housing and Urban Areas, Roads and Railroads, Utility and Service Lines

| Conservation Action   | Category: Public Outreach | Biological Priority: high | Type: on-going |
|---|---------------------------|---------------------------|----------------|
| Increase outreach and education to the public, landowners, and hunters and trappers on the effects of over-abundant native species (e.g., deer, beaver) on south-central forest and swamp SGCN habitats |                           |                           |                |

#### Stressor(s) Addressed By This Conservation Action

Problematic Species-Diseases of Unknown Origin

| Conservation Action  | Category: Public Outreach | Biological Priority: moderate | Type: new |
|--|---------------------------|-------------------------------|-----------|
| Provide spatial information on invasive species to landowners, towns, land trusts, etc., especially for south-central forest and swamp SGCN habitats |                           |                               |           |

#### Stressor(s) Addressed By This Conservation Action

Invasive Non-native-Alien Species-Diseases

| Conservation Action   | Category: Research | Biological Priority: high | Type: on-going |
|---|--------------------|---------------------------|----------------|
| Consider alternate chemicals or techniques to control invasive species and diseases in northern forests and swamps (especially for spruce budworm) and south-central forests and swamps |                    |                           |                |

#### Stressor(s) Addressed By This Conservation Action

Invasive Non-native-Alien Species-Diseases

## SGCN and Conservation Actions Associated with Habitat Groupings

### Habitat Grouping: South-Central Forests and Swamps

|  |                                     |                                      |                       |
|--|-------------------------------------|--------------------------------------|-----------------------|
| <b>Conservation Action</b>   | <b>Category:</b> Species Management | <b>Biological Priority:</b> critical | <b>Type:</b> on-going |
| Increase deer hunting/beaver trapping opportunity to reduce impacts of these species on south-central forest and swamp SGCN habitats |                                     |                                      |                       |

#### Stressor(s) Addressed By This Conservation Action

Problematic Native Species-Diseases

|   |                                     |                                  |                       |
|---|-------------------------------------|----------------------------------|-----------------------|
| <b>Conservation Action</b>  | <b>Category:</b> Species Management | <b>Biological Priority:</b> high | <b>Type:</b> on-going |
| Account for deer/beaver impacts to SGCN habitats in south-central forests and swamps during species management planning process |                                     |                                  |                       |

#### Stressor(s) Addressed By This Conservation Action

Problematic Native Species-Diseases

|   |  |                                  |                       |
|---|--|----------------------------------|-----------------------|
| <b>Conservation Action</b>  | <b>Category:</b> Survey and Monitoring | <b>Biological Priority:</b> high | <b>Type:</b> on-going |
| Undertake long-term monitoring of SGCN and their habitats in south-central forests and swamps |  |                                  |                       |

#### Stressor(s) Addressed By This Conservation Action

Commercial and Industrial Areas , Housing and Urban Areas, Roads and Railroads, Utility and Service Lines

|  |  |                                  |                       |
|--|--|----------------------------------|-----------------------|
| <b>Conservation Action</b>   | <b>Category:</b> Survey and Monitoring | <b>Biological Priority:</b> high | <b>Type:</b> on-going |
| Continue monitoring for invasive and problematic species and diseases, especially forest insect pests, in northern forests and swamps and south-central forests and swamps |  |                                  |                       |

#### Stressor(s) Addressed By This Conservation Action

Invasive Non-native-Alien Species-Diseases, Problematic Native Species-Diseases

|   |  |                                      |                  |
|---|--|--------------------------------------|------------------|
| <b>Conservation Action</b>  | <b>Category:</b> Survey and Monitoring | <b>Biological Priority:</b> moderate | <b>Type:</b> new |
| Partner with state and local agencies to identify invasive plant "hotspots" along roads and bridges, especially in south-central forests and swamps |  |                                      |                  |

#### Stressor(s) Addressed By This Conservation Action

Invasive Non-native-Alien Species-Diseases

### Species Conservation Actions:

Conservation actions that may benefit species associated with this habitat grouping can be found in Maine's 2015 Wildlife Action Plan: Element 1, Table 1-3. Click on the species of interest to launch a species based report summarizing relevant conservation actions and associated habitats.

*The Wildlife Action Plan was developed through a lengthy participatory process with state agencies, targeted conservation partners, and the general public. The Plan is non-regulatory. The species, stressors, and voluntary conservation actions identified in the Plan complement, but do not replace, existing work programs and priorities by state agencies and partners.*